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A SYSTEM APPROACH TO NAVY MEDICAL EDUCATION AND TRAINING. APPEN--ETC (1)
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A SYSTEM APPROACH TO NAVY MEDICAL EDUCATION AND TRAINING. APPEN--ETC (1)

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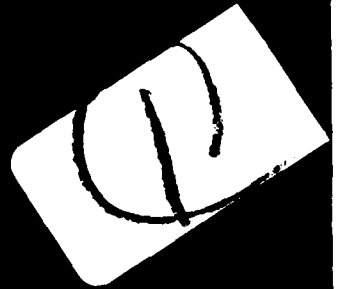
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APPENDIX 24.

EQUIPMENT REPAIR TECHNICIAN

APPLICATION OF A SYSTEM APPROACH
U.S. NAVY MEDICAL DEPARTMENT
EDUCATION AND TRAINING PROGRAMS
FINAL REPORT

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Prepared under Contract to
OFFICE OF NAVAL RESEARCH
U.S. DEPARTMENT OF THE NAVY

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Program Manager
Education and Training R&D
Bureau of Medicine and Surgery (Code 71G)

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The study objective consisted of a determination of what the health care personnel in the Navy's Medical Department, Bureau of Medicine and Surgery actually do in their occupations; improving the personnel process (education and training); and building a viable career pathway for all health care personnel. Clearly the first task was to develop a system of job analyses applicable to all system wide health care manpower tasks. A means of postulating simplified occupational clusters covering some 50		

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currently designated Navy enlisted occupations, 20 Naval Enlisted Classification Codes (NEC's) were computerized. A set of 16 groupings that cover all designated occupations was developed so as to enhance the effectiveness of professionals and sub-professionals alike.

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FOREWORD

The project, "Application of a System Approach to the Navy Medical Department Education and Training Programs," was initiated in May of 1969 as a realistic, comprehensive response to certain objectives set forth in ADO 43-03X, and to memoranda from both the Secretary of Defense and the Assistant Secretary of Defense, Manpower and Reserve Affairs. The Secretary's concern was stated in his memorandum of 29 June 1965, "Innovation in Defense Training and Education." More specific concerns were stated in the Assistant Secretary's memorandum of 14 June 1968, "Application of a System Approach in the Development and Management of Training Courses." In this he called for "vigorous and imaginative effort," and an approach "characterized by an organized training program with precise goals and defined operational interrelation among instructional system components." He also noted, "Job analyses with task descriptions expressed in behavioristic terms are basic and essential to the development of precise training goals and learning objectives."

The Project

System survey and analysis was conducted relative to all factors affecting education and training programs. Subsequently, a job-analysis sub-system was defined and developed incorporating a series of task inventories "... expressed in behavioristic terms ..." These inventories enabled the gathering of job activity data from enlisted job incumbents, and data relating to task sharing and delegation from officers of the Medical, Nurse and Dental Corps. A data management sub-system was devised to process incumbent data, then carry out needed analyses. The development of initial competency curricula based upon job analysis was implemented to a level of methodology determination. These methods and curriculum materials constituted a third (instructional) sub-system.

Thus, as originally proposed, a system capability has been developed in fulfillment of expressed needs. The system, however, remains untested and unevaluated. ADO 43-03X called for feasibility test and cost-effectiveness determination. The project was designed to so comply. Test and evaluation through the process of implementation has not proved feasible in the Navy Medical Department within the duration of the project. As designed and developed the system does have "... precise goals and defined operational interrelation among instructional system components." The latter has been achieved in terms of a recommended career structure affording productive, rewarding manpower utilization which bridges manpower training and health care delivery functions.

Data Management Sub-System

Job analysis, involving the application of comprehensive task inventories to thousands of job incumbents, generates many millions of discrete bits of response data. They can be processed and manipulated only by high speed computer capability using rigorously designed specialty programs. In addition to numerical data base handling, there is the problem of rapidly and accurately manipulating a task statement data base exceeding ten thousand carefully phrased behavioral statements. Through the use of special programs, task inventories are prepared, printouts for special purposes are created following a job analysis application, access and retrieval of both data and tasks are efficiently and accurately carried out, and special data analyses conducted. The collective programs, techniques and procedures comprising this sub-system are referred to as the Navy Occupational Data Analysis Language (NODAL).

Job Analysis Sub-System

Some twenty task inventory booklets (and associated) response booklets) were the instruments used to obtain job incumbent response data for more than fifty occupations. An inventory booklet contains instructions, formatted questions concerning respondent information ("bio-data"), response dimension definitions, and a list of tasks which may vary in number from a few hundred to more than a thousand per occupational field.

By applying NODAL and its associated indexing techniques, it is possible to assemble modified or completely different inventories than those used in this research. Present inventories were applied about three years ago. While they have been rendered in operational format, they should not be reapplied until their task content is updated.

Response booklets were designed in OPSCAN mode for ease of recording and processing responses.

Overall job analysis objectives and a plan of administration were established prior to inventory preparation, including the setting of provisional sample target sizes. Since overall data attrition was forecast to approximate twenty percent, final sample and sub-sample sizes were adjusted accordingly. Stratified random sampling techniques were used. Variables selected (such as rating, NEC, environment) determined stratifications, together with sub-population sizes. About fifteen percent of large sub-populations were sought while a majority of all members of small sub-populations were sought.

Administration procedures were established with great care for every step of the data collecting process, and were coordinated with sampling and data analysis plans. Once set, the procedures were formalized as a protocol and followed rigorously.

Instructional Sub-System

Partial "competency curricula" have been composed as an integral sub-system bridging what is required as performance on the job with what is, accordingly, necessary instruction in the training process. Further, curriculum materials were developed to meet essential requirements for implementing the system so that the system could be tested and evaluated for cost effectiveness. However, due to the fact that test and evaluation was not feasible in the Navy Medical Department within the duration of the project, it was not possible to complete the development of the system through the test and evaluation phase. The inability to complete this phase also interrupted the planned process for fully developing the curricula; therefore, instead of completed curricula ready for use in the system, the curricula were partially developed to establish the necessary sub-system methodology. The competency curricula are based on tasks currently performed by job incumbents in 1971. (The currency of a given curriculum depends upon periodic analysis of incumbents' jobs, and its quality control resides in the evaluation of the performance competency of the program's graduates.)

A competency curriculum provides a planned course of instruction or training program made up of sequenced competency units which are, in turn, comprised of sequenced modules. These modules, emphasizing performance objectives, are the foundation of the curriculum.

A complete module would be comprised of seven parts: a cluster of related tasks; a performance objective; a list of knowledges and skills implied by the objective; a list of instructional strategies for presenting the knowledges and skills to the learner; an inventory of training aids for supporting the instructional strategies; a list of examination modes; and a statement of the required training time. In this project, curriculum materials have been developed to various levels of adequacy, and usually comprise only the first three parts; the latter four need to be prepared by the user.

The performance objective, which is the most crucial part of the module, is the basis for determining curriculum content. It is composed of five essential elements: the stimulus which initiates the behavior; the behavior; the conditions under which the behavior takes place; the criteria for evaluating the behavior; and the consequence or results of the behavior. A sixth element, namely next action, is not essential; however, it is intended to provide linkage for the next behavior.

Knowledges and skills listed in the module are those needed by the learner for meeting the requirements of the performance objective.

Instructional strategies, training aids, examination modes and training time have been specified only for the Basic Hospital Corps Curriculum. The strategies, aids and modes were selected on the basis of those considered to be most supportive in presenting the knowledges and skills so as to provide optimum learning effectiveness and training efficiency. The strategies extend from the classroom lecture as traditionally presented by a teacher to the more sophisticated mediated program for self-instruction. The training aids, like strategies, extend from the traditional references and handout material in the form of a student syllabus to mediated programs for self-instruction supported by anatomical models. Examination modes extend from the traditional paper and pencil tests to proficiency evaluation of program graduates on the job, commonly known as feedback. Feedback is essential for determining learning effectiveness and for quality control of a training program. The kind of instructional strategies, training aids and examination modes utilized for training are limited only by such factors as staff capability and training budget.

The training time specified in the Basic Hospital Corps Curriculum is estimated, based upon essential knowledge and skills and program sequence.

The competency curriculum module, when complete, provides all of the requirements for training a learner to perform the tasks set forth in the module. A module may be used independently or related modules may be re-sequenced into modified competency units to provide training for a specific job segment.

Since the curricula are based upon tasks performed by job incumbents in 1971, current analysis of jobs needs to be accomplished using task inventories that have been updated to reflect changes in performed tasks. Subsequent to job analysis, a revision of the curricula should be accomplished to reflect task changes. When the foregoing are accomplished, then faculty and other staff members may be indoctrinated to the competency curricula and to their relationship to the education and training system.

In addition to the primary use for the systematic training of job incumbents, these curricula may be used to plan for new training programs, develop new curricula, and revise existing curricula; develop or modify performance standards; develop or modify proficiency examinations; define billets; credentialize training programs; counsel on careers; select students; and identify and select faculty.

The System

Three sub-systems, as described, comprise the proposed system for Education and Training Programs in the Navy Medical Department. This exploratory and advanced developmental research has established an overall methodology for improved education and training incorporating every possible means of providing bases for demonstrating feasibility and cost effectiveness. There remains only job analysis sub-system up-dating, instructional sub-system completion, and full system test and evaluation.

Acknowledgements

The authors wish to acknowledge the invaluable participation of the several thousands of Naval personnel who served as respondents in inventory application. The many military and civilian personnel who contributed to developmental efforts are cited by name in the Final Report.

The authors also wish to acknowledge former colleagues for singularly important contributions, namely, Elias H. Porter, Ph.D., Carole K. Kauffman, R.N., M.P.H., Mary Kay Munday, B.S.N., R.N., Gail Zarren, M.S.W., and Renee Schick, B.A.

Identity and acknowledgement of the project Advisory Group during the project's final year is recorded in the Final Report.

Lastly, the project could not have been commenced nor carried out without the vision, guidance and outstanding direction of Ouida C. Upchurch, Capt., NC, USN, Project Manager.

NAVY MEDICAL DEPARTMENT

TASK INVENTORY BOOKLET

EQUIPMENT REPAIR
(HOSPITAL CORPS)

CONSTRAINTS AND ETHICAL USE

This task inventory was developed three years ago in a first-version key punch format for education and training research purposes.

The present "operational" format, using a mark-sense response booklet (Opscan), is recommended for future applications. The task and equipment statements comprising the bulk of the inventory are precisely the same (less duplicate entries) as in the original research tools but rearranged for Opscan mode. Biographical data questions have also been reformatted for Opscan (NEC codes should be updated).

The processing, administering and formatting of this inventory have thus been readied for operational application.

It is strongly recommended that this inventory be updated in its task and equipment statement sections before actual operational use. These reasons pertain:

- Changes in medical or related procedures or techniques
- Some tasks may violate current policy or be obsolete
- Equipment changes may have occurred
- The objective of task comprehensiveness may change
- Objectives may shift to embrace manpower utilization as well as education and training

In the latter regard, the present operational format includes a "time to perform" dimension (as well as frequency of performance and two additional optional blank response dimension fields). As a response dimension, "time to perform" has been validated within the context of inventories for professional personnel where the objectives embraced utilization (i.e., time associated with shared and delegable tasks). The original Enlisted inventory content was directed to education and training factors only. If "time to perform" is to be used operationally, each task and equipment statement should be examined by expert job incumbents to remove possible overlaps which could confound "time to perform" data. This review process would also serve other purposes cited above.

A general precaution is in order.

When task analysis inventories are poorly prepared, loosely administered, administered according to less than rigorous sampling, or are handled casually in processing or interpretation, they will inevitably produce poor or questionable data, at best. At worst, such practices will result in loss of money and time, and produce dangerous data. Inventories should be prepared, applied, processed and interpreted only by knowledgeable professional and technical personnel. As in the cases of ethically controlled behavior tests, inventories should not be casually copied or distributed, and should remain under the control of authorized, trained personnel. Factors effecting reliability and validity should be fully appreciated.

GENERAL INSTRUCTIONS

There are two parts to be completed for this survey:

- Part I Career Background Information
 (answers to be recorded in this
 TASK BOOKLET)
- Part II A (answers to be recorded on the
 accompanying (RESPONSE BOOKLET)
 List of Tasks
- II B List of Instruments and Equipment
 Repaired
- II C List of Instruments and Equipment
 Used

Each part is preceded by a set of instructions. Be sure to read them carefully before you start answering each part. All instructions are found on the tinted pages.

PLEASE USE ONLY NUMBER 2 LEAD PENCILS. ERASE ALL CHANGES CAREFULLY AND COMPLETELY. DO NOT PUT ANY MARKS OTHER THAN YOUR ANSWERS ON EACH RESPONSE PAGE.

DO NOT FOLD, WRINKLE, CREASE OR DETACH PAGES FROM EITHER TASK BOOKLET OR RESPONSE BOOKLET.

WHEN RECORDING YOUR ANSWERS YOU MAY WANT TO USE A RULER TO READ ACROSS ANSWER AND QUESTION COLUMNS.

WHEN YOU HAVE COMPLETED YOUR RESPONSES, PUT THE TASK INVENTORY BOOKLET AND THE RESPONSE BOOKLET IN THE ENCLOSED SELF-ADDRESSED ENVELOPE. SEAL AND RETURN TO THE OFFICER WHO GAVE YOU THIS PACKAGE. COMPLETED BOOKLETS SHOULD BE RETURNED WITHIN ONE WEEK OF RECEIPT.

Part I

CAREER BACKGROUND INFORMATION

Check that the Form and Serial Number in this box match those on the cover of this Booklet

Please fill out completely

Name of your Duty Station _____

City & State (if applicable) _____

Your Name _____

Social Security Number _____

DO NOT FILL IN

N _____
Form Serial No.

(1)

(7)

(14)

PLEASE ANSWER QUESTIONS BELOW BY ENTERING THE PROPER NUMBER IN THE BLANKS PROVIDED. TWO BLANKS REQUIRE A TWO-DIGIT ANSWER. DISREGARD NUMBERS IN PARENTHESIS.

ENTER
ANSWERS
HERE

Q1. Select the number to indicate the Corps to which you belong:

1. Dental Technician
2. Hospital Corps

Q1. ____

(23)

Q2. Indicate your military status:

1. USN
2. USNR

Q2. ____

(24)

Q3. Indicate your pay grade:

1. E1
2. E2
3. E3
4. E4
5. E5
6. E6
7. E7
8. E8
9. E9

Q3. ____

(25)

Q4. Indicate your total years of active duty in the Navy to date: (estimate to the nearest year)

1. Less than 2 years
2. 2 to 4 years
3. 5 to 8 years
4. More than 8 years

Q4. ____

(26)

		ENTER ANSWERS HERE
Q5.	Select the number to indicate your present immediate supervisor:	Q5.____ (27)
	1. Physician	
	2. Dentist	
	3. Nurse	
	4. MSC Officer	
	5. HM or DT	
	6. Other (Specify) _____	
Q6.	Select the number to indicate the average number of hours you work per week: (estimate to the nearest hour)	Q6.____ (28)
	1. 35 to 40 hours	
	2. 41 to 50 hours	
	3. More than 50 hours	
Q7.	Please give an estimate of the percent of time you spend on the following (write five percent as 05):	Q7.
	1. Inpatient care	1._____% (29)
	2. Outpatient care	2._____% (31)
	3. Teaching	3._____% (33)
	4. Administration	4._____% (35)
	5. Other (specify) _____	5._____% (37)
Q8.	Assuming that most or all of the following factors are of importance to you, select the three which, if improved, would contribute <u>most</u> to your job satisfaction:	Q8.____ (39)
	01 Salary and/or promotion opportunities	____ (41)
	02 Retirement benefits	____ (43)
	03 Housing	
	04 Educational advancement opportunities	
	05 Stability of tour of duty	
	06 Physical facilities and equipment	
	07 Administrative and clerical support	
	08 Work load	
	09 Personal career planning	
	10 Opportunity to attend professional meetings	

- Q9. Using the list on page vii specify your current NEC by writing the last two digits of the CODE.
- Q10. Select the number to indicate your years of experience corresponding to the NEC stated in Q9: (estimate to the nearest year)
- | | |
|---------------------|-----------------------|
| 1. Less than 1 year | 4. 6 to 10 years |
| 2. 1 to 2 years | 5. 11 to 15 years |
| 3. 3 to 5 years | 6. More than 15 years |
- Q11. If you have other NEC(s) in addition to the one specified in Q9, check page vii and indicate the last two digits of the CODE(s). If you have none, enter "99" in answer space for Q11 and Q12.
- Q12. Select the number to indicate the years of experience you had in the NEC(s) stated in Q11 (estimate to the nearest year).
- | | |
|---------------------|-----------------------|
| 1. Less than 1 year | 4. 6 to 10 years |
| 2. 1 to 2 years | 5. 11 to 15 years |
| 3. 3 to 5 years | 6. More than 15 years |
- Q13. From the list below, write the two-digit CODE to indicate the specialty of the department in which you are currently functioning.

CODE

- | | |
|--------------------------|--------------------|
| 01 Administration | 18 Urology |
| 02 Education | 19 Intensive Care |
| 03 Anesthesiology | 20 Operating Room |
| 04 Coronary Care | 21 Emergency Room |
| 05 Dermatology | 00 Other (specify) |
| 06 Medicine - OPD | |
| 07 Medicine - Wards | |
| 08 Obstetrics/Gynecology | |
| 09 Ophthalmology | |
| 10 Orthopedics | |
| 11 Otolaryngology | |
| 12 Medical Laboratory | |
| 13 Pediatrics | |
| 14 Psychiatry | |
| 15 Public Health | |
| 16 Radiology | |
| 17 General Surgery-Wards | |

ENTER
ANSWERS
HERE

Q9. _ _ (4)

Q10. _ _ (4)

Q11a. _ _ (48)
b. _ _ (50)

Q12a. _ _ (52)
b. _ _ (53)

Q13. _ _ (54)

ENTER
ANSWER
HERE

Q14. Select the number to indicate the type of duty station at which you currently work, and have been working for at least 30 days:

Q14.____ (56)

1. Hospital
2. Dispensary
3. Aboard ship/sub, no M.O. (or D.O.) aboard
4. Aboard ship/sub, M.O. (or D.O.) aboard
5. Aviation squadron/wing, Navy or Marine
6. Marine ground forces
7. Administrative Commands
8. Research Commands or PMUs
9. Dental Clinic
0. Other _____

Q15. Indicate the number of people you normally supervise:

Q15.____ (57)

- | | |
|---------|------------|
| 0. None | 3. 6-10 |
| 1. 1-2 | 4. 11-20 |
| 2. 3-5 | 5. over 20 |

MEDICAL/DENTAL NEC (NAVAL ENLISTED CODE) AND TITLE

0000 General Service, Hospital or Dental Corpsman
3371 Health Physics & Process Control Technician
3391 Nuclear Power Plant Operator
8402 Nuclear Submarine Medicine Technician
8403 Submarine Medicine Technician
8404 Medical Field Service Technician
8405 Advanced Hospital Corps Technician (Class B)
8406 Aviation Medicine Technician
8407 Nuclear Medicine Technician
8408 Cardiopulmonary Technician
8409 Aviation Physiology Technician
8412 Clinical Laboratory Assistant Technician
8413 Tissue Culture Technician
8414 Clinical Chemistry Technician
8415 Medical Technology Technician
8416 Radioactive Isotope Technician
8417 Clinical Laboratory Technician
8432 Preventive Medicine Technician
8433 Tissue Culture and Tissue Bank Technician
8442 Medical Administrative Technician
8452 X-ray Technician
8453 Electrocardiograph/Basal Metabolism Technician
8454 Electroencephalograph Technician
8462 Optician (General) Technician
8463 Optician Technician
8466 Physical and Occupational Technician
8472 Medical Photography Technician
8482 Pharmacy Technician
8483 Operating Room Technician
8484 Eye, Ear, Nose, & Throat Technician
8485 Neuropsychiatry Technician
8486 Urological Technician
8487 Occupational Therapy Technician
8488 Orthopedic Appliance Mechanic
8489 Orthopedic Cast Room Technician
8492 Special Operations Technician
8493 Medical Deep Sea Diving Technician
8494 Physical Therapy Technician
8495 Dermatology Technician
8496 Embalming Technician
8497 Medical Illustration Technician
8498 Medical Equipment Repair Technician
8703 DT General, Advanced
8707 DT Field Service
8713 DT Clinical Laboratory
8714 DT Research Assistant
8722 DT Administrative
8732 DT Repair
8752 DT Prosthetic, Basic
8753 DT Prosthetic, Advanced
8765 DT Maxillofacial Prosthetic

RESPONSE BOOKLET INSTRUCTIONS

- To complete Part II, you need this TASK BOOKLET and the accompanying RESPONSE BOOKLET. Record all your answers to Part II in the RESPONSE BOOKLET.
- All pages of the RESPONSE BOOKLET are machine readable. In order for responses to be properly read, please be sure to:
 1. Use a No. 2 pencil only
 2. Carefully and completely shade the number corresponding to your answer under each column.
- Complete Page 00 of the RESPONSE BOOKLET first. Follow instructions given on the page. Fill in Line 1, and Boxes 2, 3, 4, and 5. Ignore all other boxes. BE SURE TO ENTER YOUR SOCIAL SECURITY NUMBER (WRITE DOWNWARD) IN THE BLANK SPACES IN BOX 3: then darkly shade the corresponding number on each line. An example of a completed Page 00 is shown on the next page (the handwritten notes in this example are for clarification only. Please do not make similar notes on your RESPONSE BOOKLET.)
- After completing Page 00, carefully read and follow instructions given on pages x through xiv.
- PLEASE HANDLE YOUR RESPONSE BOOKLET CAREFULLY. KEEP IT CLEAN AND AWAY FROM CHEMICALS. DO NOT DETACH, FOLD, WRINKLE OR CROSS OUT ANY PAGE.

DO NOT MARK IN THESE BOXES	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9
	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9
	RESPONSE BOOKLET			
	Serial No. 0233			

My name is

1 NAME

Mary Smith

Ignore these boxes

INSTRUCTIONS

1. Use No. 2 pencil ONLY.
2. Indicate responses with solid black mark in space provided.
3. Erase COMPLETELY all changes.
4. Do not detach forms from packet.
5. Answer questions 2 through 5 below.
6. See Task Statement Booklet for further instructions for completing boxes to the right.

Today is June 4, 1972
 June = 06
 4 = 04
 1972 = 72

2 TODAY'S DATE	MONTH	0 1 2 3 4 5 6 7 8 9
	DAY	0 1 2 3 4 5 6 7 8 9
	YEAR	0 1 2 3 4 5 6 7 8 9

3 SOCIAL SECURITY NUMBER	3	0 1 2 3 4 5 6 7 8 9
	0	0 1 2 3 4 5 6 7 8 9
	4	0 1 2 3 4 5 6 7 8 9
	2	0 1 2 3 4 5 6 7 8 9
	6	0 1 2 3 4 5 6 7 8 9
	9	0 1 2 3 4 5 6 7 8 9
	7	0 1 2 3 4 5 6 7 8 9
	5	0 1 2 3 4 5 6 7 8 9
	1	0 1 2 3 4 5 6 7 8 9

SEE COVER OF YOUR TASK BOOKLET Form Nao, Ser. No. 0233

4 TASK BOOKLET	FORM	0 1 2 3 4 5 6 7 8 9
	0	0 1 2 3 4 5 6 7 8 9
	1	0 1 2 3 4 5 6 7 8 9
	2	0 1 2 3 4 5 6 7 8 9
	3	0 1 2 3 4 5 6 7 8 9

My birthday is May 10, 1940
 May = 05 1940 = 40

5 DATE OF BIRTH	MONTH	0 1 2 3 4 5 6 7 8 9
	DAY	0 1 2 3 4 5 6 7 8 9
	YEAR	0 1 2 3 4 5 6 7 8 9

TASK ANALYSIS BACKGROUND
DATA SHEET

SEE TASK STATEMENT BOOKLET FOR INSTRUCTIONS TO COMPLETE BOOKLET	6	0 1 2 3 4 5 6 7 8 9	13 0 1
		0 1 2 3 4 5 6 7 8 9	14 0 1
		0 1 2 3 4 5 6 7 8 9	15 0 1
		0 1 2 3 4 5 6 7 8 9	16 0 1
	7	0 1 2 3 4 5 6 7 8 9	17 0 1
		0 1 2 3 4 5 6 7 8 9	18 0 1
		0 1 2 3 4 5 6 7 8 9	19 0 1
		0 1 2 3 4 5 6 7 8 9	20 0 1
	8	0 1 2 3 4 5 6 7 8 9	21 0 1
		0 1 2 3 4 5 6 7 8 9	22 0 1
		0 1 2 3 4 5 6 7 8 9	23 0 1
		0 1 2 3 4 5 6 7 8 9	24 0 1
9	0 1 2 3 4 5 6 7 8 9	25 0 1	
	0 1 2 3 4 5 6 7 8 9	26 0 1	
	0 1 2 3 4 5 6 7 8 9	27 0 1	
	0 1 2 3 4 5 6 7 8 9	28 0 1	
10	0 1 2 3 4 5 6 7 8 9	29 0 1	
	0 1 2 3 4 5 6 7 8 9	30 0 1	
11	0 1 2 3 4 5 6 7 8 9	31 0 1	
	0 1 2 3 4 5 6 7 8 9	32 0 1	
12	0 1 2 3 4 5 6 7 8 9	33 0 1	
	0 1 2 3 4 5 6 7 8 9	34 0 1	

Ignore these boxes

PART II

PART II A LIST OF TASKS

PART II B LIST OF INSTRUMENTS AND EQUIPMENT REPAIRED

PART II C LIST OF INSTRUMENTS AND EQUIPMENT USED

HOW TO RESPOND TO TASK STATEMENTS AND INSTRUMENTS

Your responses to each statement should be marked on the corresponding page, column and item number in your RESPONSE BOOKLET.

Note that each page in your RESPONSE BOOKLET has two response blocks. The left-hand block (items 1-25) is for entering responses to statements printed on LEFT pages of this TASK BOOKLET; the right-hand block (items 26-50) is for the responses to statements printed on RIGHT pages. Make sure that your answers are recorded in the appropriate block on every page. DO NOT MAKE ANY MARKS OTHER THAN YOUR ANSWERS!

Each time you start a new page in your RESPONSE BOOKLET, check the page on your TASK BOOKLET. See that the numbers match; then mark the page number in "Box X" in the response page (see instructions at the top of response page.) This is necessary for computer processing.

Tear the Response Guide (p. xiii) at the perforation, and use the correct side to respond to each task or instrument found on the following white pages. Note the following detailed explanation of responses.

Column A - (the responses to Column A differ for Part II A, B and C. Be sure to use the appropriate set of responses.)

Part II A

How often did you do this task within the last month?
(If you were on leave, consider your immediate past working month.)

- 0 = Did not do
- 1 = Did less than 5 times
- 2 = Did 5 to 20 times
- 3 = Did 21 to 50 times
- 4 = Did 51 to 100 times
- 5 = Did more than 100 times

Part II B

How often did you repair this instrument or equipment within the last month? (If you were on leave, consider your immediate past working month.)

- 0 = Did not repair
- 1 = Repaired less than 5 times
- 2 = Repaired 5 to 20 times
- 3 = Repaired 21 to 50 times
- 4 = Repaired 51 to 100 times
- 5 = Repaired more than 100 times

Part II C

How often did you use this instrument or piece of equipment within the last month? (If you were on leave, consider your immediate past working month.)

- 0 = Did not use
- 1 = Used less than 5 times
- 2 = Used 5 to 20 times

3 = Used 21 to 50 times

4 = Used 51 to 100 times

5 = Used more than 100 times

If answer in Column A is 0, go to the next statement. If answer is 1, 2, 3, 4 or 5, answer also Columns B, C & D.

Column B

Indicate the approximate time you spent on a single performance the last time you performed this task.

0 = less than one minute

1 = 1 to 4 minutes

2 = 5 to 10 minuees

3 = 11 to 20 minutes

4 = 21 to 30 minutes

5 = 31 to 60 minutes

6 = 1 to 2 hours

7 = more than 2 hours

Column C

Do you feel you need additional training to perform this task?

0 = No

1 = Yes

RESPONSE GUIDE

(DO NOT LOSE THIS TAB)

HOW TO RESPOND TO PART IIA - LIST OF TASKS, AND IIB -
LIST OF INSTRUMENTS AND EQUIPMENT REPAIRED

ANSWER COL. A FIRST. IF A = 0, GO TO NEXT STATEMENT: IF A = 1-5, ANSWER COLUMNS B, C & D ALSO.

A	B	C	D
FREQUENCY *	TIME CONSUMED (single performance the last time performed)	DO YOU FEEL YOU NEED ADDITIONAL TRAINING TO PER- FORM THIS TASK?	OPTION (Additional instructions will be given if this column is used)
0-DID NOT DO LAST MONTH	0= LESS THAN 1 MINUTE	0=NO	
1-DID LESS THAN 5 TIMES	1=1 TO 4 MINUTES	1=YES	
2-DID 5 TO 20 TIMES	2=5 TO 10 MINUTES		
3-DID 21 TO 50 TIMES	3=11 TO 20 MINUTES		
4-DID 51 TO 100 TIMES	4=21 TO 30 MINUTES		
5-DID MORE THAN 100 TIMES	5=31 TO 60 MINUTES		
	6=1 TO 2 HOURS		
	7=MORE THAN 2 HOURS		

* Use the scale as is for Part IIA; for Part IIB, substitute the word 'Repair' for 'Do'.

RESPONSE GUIDE

(DO NOT LOSE THIS TAB)

HOW TO RESPOND TO PART IIC - LIST OF INSTRUMENTS AND EQUIPMENT USED

ANSWER COL. A FIRST. IF A = 0, GO TO NEXT STATEMENT: IF A = 1-5, ANSWER COLUMNS B, C & D ALSO.

A	B	C	D
FREQUENCY	TIME CONSUMED (last time used)	DO YOU FEEL YOU NEED ADDITIONAL TRAINING TO PER- FORM THIS TASK?	OPTION (Additional instructions will be given if this column is used)
0=DID NOT USE LAST MONTH 1=USED LESS THAN 5 TIMES 2=USED 5 TO 20 TIMES 3=USED 21 TO 50 TIMES 4=USED 51 TO 100 TIMES 5=USED MORE THAN 100 TIMES	0=LESS THAN 1 MINUTE 1=1 TO 4 MINUTES 2=5 TO 10 MINUTES 3=11 TO 20 MINUTES 4=21 TO 30 MINUTES 5=31 TO 60 MINUTES 6=1 TO 2 HOURS 7=MORE THAN 2 HOURS	0=NO 1=YES	

Part II A
LIST OF TASKS

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 01 OF RESPONSE BOOKLET
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- | | |
|----|--|
| 1 | PERFORM WELDING/BRAZING OPERATION |
| 2 | ZERO POINTER ON GAUGES/METERS |
| 3 | BALANCE/INDEX WEIGHT MEASURING DEVICES |
| 4 | ADJUST COUNTER WEIGHT SYSTEM ON MEDICAL EQUIPMENT |
| 5 | REPLACE BRUSHES ON AC MOTORS |
| 6 | TRUE SCORED/PITTED COMMUTATOR USING LATHE |
| 7 | REPLACE "O" RINGS |
| 8 | CHECK INSULATING GAS LEVEL |
| 9 | CHECK INSULATING OIL LEVEL |
| 10 | SWEAT COPPER AND BRASS JOINTS |
| 11 | REPLACE PILOT LAMPS |
| 12 | MEASURE REFRIGERANT LEVEL |
| 13 | DETERMINE SOURCE OF LEAK IN HYDRAULIC SYSTEM |
| 14 | BLEED HYDRAULIC SYSTEMS |
| 15 | ADJUST SPRING TENSION |
| 16 | ADJUST REPLENISHING PUMPS |
| 17 | SET/ADJUST THERMOSTAT ACCORDING TO USER'S SPECIFICATIONS |
| 18 | RECONDITION IMPELLER VANES IN VACUUM SYSTEMS |
| 19 | REPLACE GASKETS ON ANESTHESIA MACHINE |
| 20 | TIGHTEN HIGH PRESSURE GAS FITTINGS |
| 21 | EXAMINE ANESTHESIA MACHINE FOR PROPER OUTPUT |
| 22 | CLEAN/ADJUST CONTACT POINTS |
| 23 | SILVER-SOLDER SURGICAL INSTRUMENT |
| 24 | CLEAR CLOGGED ATOMIZER |
| 25 | CLEAN/POLISH SURGICAL INSTRUMENT |

GO TO RIGHT HAND PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN RIGHT SIDE OF PAGE 01 OF RESPONSE BOOKLET
26	SHARPEN/HONE SURGICAL INSTRUMENT
27	MAKE MODIFICATIONS ON SURGICAL INSTRUMENTS
28	CLEAN/POLISH NON-SURGICAL MEDICAL EQUIPMENT
29	DO TOUCH-UP PAINTING ON MEDICAL/DENTAL EQUIPMENT
30	ADJUST FRICTION LOCK ON MEDICAL EQUIPMENT
31	LUBRICATE MEDICAL/DENTAL EQUIPMENT
32	REMARK (ETCH) MEDICAL EQUIPMENT
33	CLEAN EXPOSED SURFACE OF LENS
34	REPAIR LOCKING ASSEMBLY ON MEDICINE CABINET
35	REPAIR HYDRAULIC SYSTEM ON DENTAL CHAIR
36	ADJUST COUNTERBALANCE SPRING ON DENTAL OPERATING LIGHT
37	ADJUST LIGHT PATTERN ON DENTAL OPERATING LIGHT
38	ADJUST CUP-FILLER COMPONENTS ON DENTAL UNIT
39	ENSURE PROPER AIR/WATER DELIVERY TO DENTAL SYRINGE
40	CORRECT MALFUNCTIONING RETRACTION MECHANISM ON DENTAL UNIT
41	ADJUST DRIP RATE ON AIR-DRIVEN DENTAL HANDPIECE
42	CLEAN VALVE ASSEMBLY ON DENTAL UNIT AIR FILTER
43	ADJUST PRESSURE DIFFERENTIAL ON AIR COMPRESSOR
44	REPLACE RINGS ON AIR COMPRESSOR
45	REPLACE NEEDLENOID VALVE ON DENTAL UNIT
46	CLEAN/REPLACE WATER FILTER ELEMENTS ON DENTAL UNIT
47	CLEAR WATER LINES ON CONTRA-ANGLE AIR-DRIVEN DENTAL HANDPIECE
48	REPLACE WORN GASKETS ON AIR-DRIVEN DENTAL HANDPIECE
49	ADJUST END PLAY ON DENTAL HANDPIECE
50	CLEAN AND REASSEMBLE BELT-DRIVEN DENTAL HANDPIECE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 02 OF RESPONSE BOOKLET
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- | | |
|----|---|
| 1 | ADJUST AIR PRESSURE ON DENTAL HANDPIECE |
| 2 | PATCH MUFFLE ON BURNOUT OVEN |
| 3 | ADJUST TIMING MECHANISM ON STERILIZER |
| 4 | REPAIR SPECTACLE FRAMES |
| 5 | ASSEMBLE PARTS TO MANUAL TITANIUM CASTING MACHINE |
| 6 | GRIND AND POLISH FRAMEWORK |
| 7 | REPLACE BRAKE SHOES ON ELECTROMAGNETIC LOCK |
| 8 | REPLACE PILOT LAMPS |
| 9 | DO TAPPING AND THREADING OF METAL PARTS |
| 10 | PERFORM WELDING/BRAZING OPERATION |
| 11 | READ ELECTRICAL/ELECTRONIC SCHEMATIC DIAGRAM |
| 12 | TEST TRANSISTOR USING OHMMETER |
| 13 | TEST TRANSISTOR FOR CONDUCTIVITY USING TRANSISTOR CHECKER |
| 14 | MEASURE CAPACITOR VALUE |
| 15 | CHECK CHOKE FOR SHORT/OPEN WITH VOM/VTVM |
| 16 | CHECK CAPACITOR FOR SHORT/OPEN WITH VOM/VTVM |
| 17 | CHECK RECTIFIER/DIODE USING TUBE TESTER |
| 18 | CHECK RECTIFIER/DIODE USING OSCILLOSCOPE |
| 19 | CHECK RECTIFIER/DIODE USING OHMMETER |
| 20 | CHECK RESISTOR FOR SHORT/OPEN/VALUE |
| 21 | CHECK PC BOARD FOR COLD SOLDER JOINT |
| 22 | CHECK PC BOARD FOR CRACKS |
| 23 | CHECK TUBE USING TUBE TESTER |
| 24 | INSTALL PAGE/MUSIC SYSTEM |
| 25 | INSTALL TWO-WAY RADIO IN AMBULANCE |

GO TO RIGHT HAND PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN RIGHT SIDE OF PAGE 02 OF RESPONSE BOOKLET
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|----|---|
| 26 | CLEAN AND COAT HIGH VOLTAGE CABLE CONNECTIONS |
| 27 | CHECK HIGH VOLTAGE CABLE WELLS FOR CRACKS/ARCING |
| 28 | CLEAN/ADJUST CONTACT POINTS |
| 29 | MEASURE AC/DC CURRENT |
| 30 | MEASURE POWER SUPPLY OUTPUT |
| 31 | MEASURE DC OUTPUT ON POWER SUPPLY USING VOLTMETER |
| 32 | CHECK HEATING ELEMENTS WITH OHMMETER |
| 33 | REPLACE MALFUNCTIONING SWITCH |
| 34 | CHECK SWITCH USING VOLTMETER |
| 35 | REESTABLISH WIRING CONTINUITY BY SPLICING AND SOLDERING |
| 36 | REESTABLISH WIRING CONTINUITY BY SPLICING |
| 37 | REPLACE INTERCONNECTING WIRING |
| 38 | MAKE CONTINUITY CHECK OF TRANSFORMER WINDINGS |
| 39 | DETERMINE CONDITION OF ELECTRICAL PART BY VISUAL EXAMINATION |
| 40 | REPLACE CARTRIDGES ON AIR-DRIVEN DENTAL HANDPIECE |
| 41 | DETERMINE AND SET KILOVOLTAGE-MAJOR/MINOR-PEAK METER ON X-RAY
UNIT |
| 42 | DETERMINE AND SET MA METER ON X-RAY UNIT |
| 43 | DETERMINE AND SET IMPULSE TIMER ON X-RAY UNIT |
| 44 | SELECT ALTERNATIVE TECHNIQUES IN SETTING X-RAY UNIT |
| 45 | READ X-RAY FILMS FOR TECHNICAL ADEQUACY |
| 46 | ADJUST COLLIMATOR LIGHT FIELD ON X-RAY UNIT |
| 47 | INSPECT X-RAY FILM QUALITY TO EVALUATE DEVELOPMENT TECHNIQUES |
| 48 | DEVELOP MEDICAL X-RAY FILMS |
| 49 | DO PHOTODOSIMETRIC CHECK FILM PROCESS |
| 50 | TEST CASSETTES FOR SCREEN FILM CONTACT |

TURN PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 03 OF RESPONSE BOOKLET
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|----|--|
| 1 | TEST CASSETTES FOR SCREEN LAG |
| 2 | CHECK X-RAY DARK ROOM FOR LIGHT LEAKS |
| 3 | RETRIEVE SILVER FROM X-RAYS |
| 4 | CHECK DARK ROOM SAFE LIGHTS |
| 5 | CHECK X-RAY TUBE FOR GAS PRESENCE |
| 6 | REPLACE HIGH VOLTAGE CABLES ON X-RAY EQUIPMENT |
| 7 | CHECK/ADJUST X-RAY UNIT TIMER USING SPINTOP TECHNIQUE |
| 8 | PERFORM SAFETY INSPECTIONS OF AREAS WHERE RADIATION PRODUCING EQUIPMENT IS USED |
| 9 | ENFORCE ACCIDENT PREVENTION MEASURES |
| 10 | CHECK COMPRESSED GAS TANKS FOR LEAK, E.G. OXYGEN |
| 11 | PERFORM ROUTINE SAFETY INSPECTIONS |
| 12 | PROVIDE ADVICE ON SAFETY EQUIPMENT IMPROVEMENTS |
| 13 | DO PERIODIC MECHANICAL SAFETY CHECKS ON POWER OPERATED EQUIPMENT |
| 14 | CHECK LEVEL OF STATIC ELECTRICITY (CONDUCTIVITY) OF O.R. EQUIPMENT |
| 15 | CHECK EQUIPMENT FOR ELECTRICAL HAZARDS AND GROUNDS |
| 16 | SUPERVISE ROUTINE EQUIPMENT MAINTENANCE FOR SECTION/UNIT |
| 17 | DISINFECT INSTRUMENTS/MATERIALS/EQUIPMENT |
| 18 | CHECK PRESSURIZED TANKS FOR QUANTITY OF GAS, E.G. OXYGEN, HELIUM |
| 19 | ENSURE THAT SAFE INDUSTRIAL PRACTICES ARE ADHERED TO, E.G. USE OF PROTECTIVE EYE GLASSES |
| 20 | PERFORM PREVENTIVE MAINTENANCE |
| 21 | RUN TEST STANDARD TO CHECK ACCURACY OF EQUIPMENT |
| 22 | PLAN THE PHYSICAL LAYOUT OF A DENTAL CLINIC |
| 23 | CONSTRUCT EMERGENCY FIELD EVACUATION DEVICES |
| 24 | CONSTRUCT DENTAL FURNISHINGS BENCHES TABLES |
| 25 | FABRICATE HIGH/LOW PRESSURE GAS LINES |

GO TO RIGHT HAND PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN RIGHT SIDE OF PAGE 03 OF RESPONSE BOOKLET
26	FABRICATE PATTERN FOR MOULDS
27	BUILD SPECIAL EQUIPMENT/DEVICES FOR RESEARCH
28	PREPARE CEMENT E.G. LINERS PRIMERS INSULATION
29	MODIFY EQUIPMENT FOR NON-STANDARD USAGE
30	FABRICATE WROUGHT METAL FRAMEWORK
31	DRAW ARCHITECHTURAL FLOOR PLAN FOR CLINIC
32	BUILD MULTIPLE-PATIENT CARDIAC MONITORING SYSTEM
33	EVALUATE NEW EQUIPMENT, I.E. USER TEST
34	CONDUCT OPERATIONAL TEST AND EVALUATION OF RESEARCH PRODUCTS
35	CALIBRATE EQUIPMENT
36	USE AND EVALUATE NEW EQUIPMENT/MATERIAL (USER-TRIAL)
37	INSTRUCT PERSONNEL (USER) IN CARE AND MAINTENANCE OF MEDICAL/ DENTAL EQUIPMENT
38	DETERMINE IF REPAIR IS WITHIN UNIT CAPABILITIES
39	CONSULT WITH STAFF TO DESIGN/AMEND/UPDATE PROCEDURES /TECHNIQUES
40	CERTIFY QUALITY OF WORK PERFORMED BY CIVILIAN CONTRACTORS
41	DETERMINE THE PHYSICAL LAYOUT OF WORK AREA FURNITURE/EQUIPMENT
42	RECOMMEND/GIVE ADVICE FOR WORK SIMPLIFICATION/MEASUREMENT STUDIES
43	DETERMINE IF EQUIPMENT NEEDS REPAIR/SERVICE
44	CONFER/VISIT MANUFACTURERS/CONTRACTORS TO OBTAIN FIRST HAND KNOWLEDGE OF EQUIPMENT/SUPPLIES
45	EVALUATE THE MAINTENANCE AND USE OF SUPPLIES, EQUIPMENT AND WORK SPACE
46	WRITE USER-TRIAL REPORTS
47	COORDINATE WITH MANUFACTURERS/CONTRACTORS FOR EQUIPMENT REPAIR/ MAINTENANCE
48	ESTIMATE COST OF REPAIR FOR A GIVEN ITEM
49	COORDINATE ON EQUIPMENT LOANS, BORROWING OF MEDICAL/DENTAL SUPPLIES/TRAINING AIDS
50	GIVE ESTIMATE OF TIME REQUIRED TO REPAIR AN ITEM

TURN PAGE

TASK NO. ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 04
OF RESPONSE BOOKLET

- 1 REFER ONWARD TO THE PROPER PERSONNEL QUERIES FROM CIVILIAN ASSOCIATIONS/INDIVIDUALS
- 2 ESTABLISH GUIDELINES FOR USER TEST, E.G. NEW EQUIPMENT
- 3 DETERMINE NEED FOR EQUIPMENT EVALUATION, I.E. USER TEST, PROFESSIONAL REVIEW
- 4 DRAFT OFFICIAL CORRESPONDENCE
- 5 BRIEF THE COMMANDING OFFICER
- 6 PERFORM SKETCHES/DRAWINGS FOR ASSIGNED PROJECTS
- 7 DETERMINE SUPPLIES AND EQUIPMENT BUDGET
- 8 PREPARE ONE-TIME OR INFREQUENT REPORTS FOR REQUESTORS
- 9 DO SUPPLY/EQUIPMENT INVENTORY
- 10 LOAD AND UNLOAD EQUIPMENT
- 11 MAINTAIN INVENTORY/STOCK OF EQUIPMENT/FURNITURE
- 12 ENSURE DENTAL FIELD KITS ARE SUITABLE FOR ISSUE, E.G. CHECK CONTENTS, TAG, WATERPROOF
- 13 RETURN EQUIPMENT TO CIVILIAN CONTRACTORS FOR REPLATING/REPAIR
- 14 ISSUE SUPPLIES/INSTRUMENTS/EQUIPMENT/MATERIALS
- 15 DISPOSE OF SUPPLIES/INSTRUMENTS/EQUIPMENT AFTER TIME LIMIT/ EXPIRATION DATE
- 16 COMPOSE INITIAL PROJECTIONS FOR EQUIPMENT NEEDS
- 17 APPROVE REQUISITIONS
- 18 NEGOTIATE WITH VENDORS, E.G. COST, DELIVERY SCHEDULE
- 19 MAINTAIN PROPERTY CUSTODY CARDS FOR EQUIPMENT
- 20 CONSULT ON CENTRAL/LOCAL SUPPLY PROBLEMS/PROCEDURES
- 21 REVIEW REQUISITIONS
- 22 GIVE DIRECT SUPERVISION FOR THE PREPARATION OF REQUISITIONS/ PURCHASE ORDERS/WORK REQUESTS
- 23 REDISTRIBUTE EXCESS EQUIPMENT ACROSS COMMANDS
- 24 ESTABLISH MEDICAL/DENTAL SUPPLIES/EQUIPMENT REQUIREMENTS FOR GENERAL MOBILIZATION ALLOWANCES
- 25 MAINTAIN NAVY SILVER RECOVERY PROGRAM

GO TO RIGHT HAND PAGE

TASK NO. ENTER RESPONSES TO STATEMENTS BELOW IN RIGHT SIDE OF PAGE 04
OF RESPONSE BOOKLET

- 26 MAINTAIN LEDGER OF SUPPLY/STOCK, E.G., REQUISITIONS, COST ACCOUNTING
- 27 PREPARE INVENTORY REPORTS
- 28 PREPARE EQUIPMENT FOR CARGO HANDLING PROCEDURES
- 29 COORDINATE LOADING AND UNLOADING OF EQUIPMENT
- 30 ASSIGN SPACE FOR EQUIPMENT AND SUPPLIES
- 31 ASSIST IN COMMAND MATERIAL INSPECTIONS
- 32 PROJECT COSTS FOR EQUIPMENT NEEDS
- 33 MAKE RECOMMENDATIONS ON PURCHASE/REPLACEMENT OF EQUIPMENT/SUPPLIES
- 34 INSPECT CONDITION OF FILM STORAGE AREAS, I.E. FOR PROPER TEMPERATURE/LIGHT/HUMIDITY
- 35 ATTACH IDENTIFYING TAG TO COMPONENTS/EQUIPMENT
- 36 INSPECT THAT SUPPLIES/MATERIALS/EQUIPMENT ARE STORED PROPERLY
- 37 INSPECT SUPPLIES/EQUIPMENT FOR ACCEPTABILITY/DAMAGE/LOSS/PILFERAGE
- 38 MAINTAIN STOCK OF SUPPLIES/MATERIALS/SPARE PARTS FOR UNIT
- 39 PACK AND STORE FIELD MEDICAL SUPPLIES AND EQUIPMENT
- 40 STORE SUPPLIES
- 41 ESTABLISH SUPPLY USAGE RATE
- 42 UNPACK EQUIPMENT
- 43 MAINTAIN STOCK OF EXCESS EQUIPMENT
- 44 PERFORM DUTIES OF PUBLIC RELATIONS REPRESENTATIVE FOR DEPARTMENT/UNIT
- 45 ARRANGE FOR REPLACEMENT/REPAIR OF EQUIPMENT AS REQUIRED
- 46 SURVEY SUPPLIERS REGARDING COST OF EQUIPMENT/SUPPLIES
- 47 PREPARE INVOICES/VOUCHERS FOR PAYMENT OF FUNDS
- 48 PREPARE PAPERWORK FOR RETURN OF DAMAGED MATERIALS/SUPPLIES/EQUIPMENT
- 49 PREPARE WORK ORDERS/WORK REQUESTS
- 50 ORDER SUPPLIES/EQUIPMENT THROUGH FEDERAL SUPPLY SYSTEM

TURN PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 05 OF RESPONSE BOOKLET
1	COMPILE STATISTICS NECESSARY TO MAKE REPORTS
2	RECEIVE AND PROCESS MATERIAL COMPLAINTS
3	LOG RUNNING EXPENSES/EXPENDITURE OF MONIES
4	MAINTAIN MODIFICATION RECORDS, E.G., EQUIPMENT, MEDICAL ALLOWANCE
5	MAKE LOCAL (OPEN) PURCHASE OF SUPPLIES
6	COMPILE LIST OF APPROVED LOCAL PURCHASE ITEMS
7	SURVEY EQUIPMENT TO DETERMINE CONTINUED SERVICEABILITY/USABILITY
8	PICK UP/DELIVER EQUIPMENT
9	MAINTAIN FILE ON EQUIPMENT LOCATION/AVAILABILITY
10	PREPARE SURVEY REQUEST FORM NAVSANDA-154
11	PREPARE DENTAL SERVICE REPORT EQUIPMENT AND FACILITIES SUPPLEMENT DD477-1
12	LOG LOCAL PURCHASE INFORMATION
13	LOG PLANT PROPERTY IDENTIFICATION NUMBER AND CONDITION
14	LOG CONTRACTOR REQUIREMENTS
15	VERIFY/SIGN OFF ON REQUISITIONS/RECEIPTS FOR SUPPLIES/EQUIPMENT/MATERIAL
16	CHECK/LOCATE/IDENTIFY PART NUMBERS FROM CATALOGUES/MANUALS
17	AMEND CROSS REFERENCE LIST OF INSTRUCTIONS/MATERIALS
18	MAINTAIN A SUPPLY (EQUIPMENT, MATERIALS) INVENTORY SYSTEM
19	PREPARE REQUISITIONS FOR SUPPLIES/EQUIPMENT
20	SUGGEST TOPICS FOR CLASSES/CONFERENCES
21	REQUISITION TRAINING AIDS FROM OTHER HOSPITALS/CLINICS OR CIVILIAN/GOVERNMENT HEALTH FACILITIES
22	ORIENT TRAINEES/STUDENTS TO PROGRAM, I.E. OBJECTIVES OF PROGRAM, CLASS SCHEDULE
23	SET UP/BREAK DOWN CLASSROOM DEMONSTRATIONS/TEACHING AIDS
24	MAINTAIN RECORD OF TRAINEE'S EXPERIENCE IN OJT PROGRAM, E.G. COURSES, PRACTICAL EXPERIENCE
25	POST/ENTER TRAINING INFORMATION INTO INDIVIDUAL RECORDS

GO TO RIGHT HAND PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN RIGHT SIDE OF PAGE 05 OF RESPONSE BOOKLET
26	PREPARE CLASS RECORDS
27	ASSIGN GRADES FOR INDIVIDUAL PERFORMANCE
28	CONDUCT SPECIAL PREP-SESSION FOR ADVANCEMENT EXAMS
29	DESIGN TRAINING AIDS, ILLUSTRATIONS, GRAPHICS
30	EVALUATE STUDENTS PERFORMANCE/PROGRESS
31	REVISE TEST ITEMS ON BASIS OF ITEM ANALYSIS
32	ADMINISTER EXAMINATIONS
33	DECIDE WHEN TRAINEE IS CAPABLE OF PERFORMING A PROCEDURE WITHOUT DIRECT SUPERVISION
34	SELECT WORK EXPERIENCES FOR STUDENT/TRAINEE
35	SELECT CLINICAL MATERIAL FOR INSTRUCTIONAL PURPOSES, E.G. PATIENTS, CASE STUDIES
36	SELECT NEW MATERIALS/ADVANCED KNOWLEDGE FOR TEACHING PURPOSES
37	SCORE/CORRECT QUIZZES/EXAMINATIONS MANUALLY
38	SUGGEST IMPROVEMENTS FOR COURSE/CURRICULUM CONTENT
39	CHECK INDIVIDUAL'S PROGRESS DURING OJT
40	ARRANGE FOR USE OF LECTURE/TEACHING/DEMONSTRATION AIDS AND EQUIPMENT
41	PREPARE STANDING OPERATING PROCEDURES, GUIDES AND INSTRUCTIONS FOR USE BY PERSONNEL
42	CHECK/CORRECT CALCULATIONS PERFORMED BY OTHER TECHNICIANS
43	INSTRUCT/DIRECT PERSONNEL IN MAINTAINING SECURITY STANDARDS
44	MAKE RECOMMENDATIONS ON/APPROVE/DISAPPROVE PERSONNEL REQUESTS TO ATTEND MEETINGS/CONFERENCES
45	GIVE DIRECT SUPERVISION TO CORPSMEN/TECHNICIANS
46	DETERMINE DUTIES FOR PERSONNEL
47	RECOMMEND PERSONNEL FOR EDUCATION/TRAINING
48	RECOMMEND PERSONNEL FOR PROMOTION/DEMOTION
49	PREPARE PAPERWORK FOR DISCIPLINARY ACTION FOR PERSONNEL AS REQUIRED
50	INTERVIEW/COUNSEL/ADVISE STAFF

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 06 OF RESPONSE BOOKLET
1	RECOMMEND LEAVE/TIME OFF FOR PERSONNEL
2	RECOMMEND DISCIPLINARY ACTION FOR PERSONNEL AS REQUIRED
3	REVIEW SUGGESTIONS AND COMPLAINTS FROM PERSONNEL
4	EVALUATE THE PERFORMANCE OF PERSONNEL
5	ARRANGE TIME/DETAIL SCHEDULES
6	ASSIGN PERSONNEL TO DUTIES/WORK ACCORDING TO SCHEDULE
7	ENSURE THAT ALL PERSONNEL MAINTAIN PROPER MILITARY BEARING, E.G. CLEANLINESS, ATTIRE
8	PLAN FOR OVERTIME/LEAVE/LIBERTY/TIME OFF
9	CONDUCT BRIEFINGS
10	REPLENISH TESTING ROOM WITH SUPPLIES
11	MAINTAIN/ACCOUNT FOR SCRAP AMALGAM
12	MAINTAIN/ACCOUNT FOR SCRAP GOLD/SILVER
13	PICK UP/DELIVER EQUIPMENT
14	PREPARE A QUARTERLY REPORT OF DENTAL SERVICES
15	MAINTAIN UNIT/HARD/SECTION FIRST AID AND EMERGENCY EQUIPMENT
16	REQUEST/RECOMMEND ADDITIONAL PERSONNEL WHEN REQUIRED
17	INSTITUTE CHANGES TO IMPROVE WORKING CONDITIONS
18	CONVERT COMMON WEIGHTS AND MEASURES FROM ONE SYSTEM TO ANOTHER, E.G. CC TO TSP, LBS TO KG
19	CONVERT CENTIGRADE TEMPERATURE TO FAHRENHEIT OR VICE VERSA
20	PAINT WALLS, CEILINGS, FURNITURE OR EQUIPMENT
21	USE LOCALLY DEVELOPED MANUALS/GUIDES TO FOLLOW ANALYTICAL PROCEDURES
22	USE COMMERCIAL MANUALS TO FOLLOW ANALYTICAL PROCEDURES
23	USE NAVY/DOD MANUALS TO STUDY ANALYTICAL PROCEDURES
24	READ EQUIPMENT MANUALS FOR OPERATION AND MAINTENANCE OF EQUIPMENT
25	MAINTAIN A SET OF REFERENCE BOOKS/MANUALS/PUBLICATIONS

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN RIGHT SIDE OF PAGE 06 OF RESPONSE BOOKLET
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|----|--|
| 26 | MAINTAIN INSTRUMENT CALIBRATION FILES |
| 27 | ANSWER QUERIES FROM CIVILIAN ASSOCIATIONS/INDIVIDUALS |
| 28 | PREPARE PAPERWORK FOR EQUIPMENT REPAIR/MAINTENANCE |
| 29 | DO HOUSEKEEPING/CLEANING DUTIES |
| 30 | INTERPRET FORMULA/DIRECTIONS FOR COMPOUNDING PHARMACEUTICALS |
| 31 | ADJUST HEATING/VENTILATION ACCORDING TO WEATHER CONDITIONS |
| 32 | GIVE ESTIMATE OF TIME REQUIRED TO REPAIR AN ITEM |
| 33 | STAND FIRE/SECURITY/BARRACKS WATCH |
| 34 | CARRY OUT OFFICE/AREA/UNIT SECURITY MEASURES |
| 35 | DO FIRE STATION/FIREPOINT/FIREPOST DUTIES |
| 36 | DRIVE AMBULANCES OR AMBULANCE BUSES |
| 37 | INSPECT LIVING QUARTERS |
| 38 | OPERATE VEHICLE TO TRANSPORT MEDICAL MATERIAL |
| 39 | SERVE AS MESS/CLUB/INSTITUTE COMMITTEE MEMBER |
| 40 | STAND SPECIAL SECURITY WATCH FOR VIPS, PRISONERS |
| 41 | OPERATE ELEVATOR |
| 42 | COLLECT/REMOVE TRASH/GARBAGE |
| 43 | PARTICIPATE IN HOSPITAL FIRE DRILL |
| 44 | PARTICIPATE IN MASS CASUALTY SIMULATION |
| 45 | PARTICIPATE IN MEDICAL FIELD EXERCISES/DRILLS |
| 46 | PARTICIPATE IN FIELD COMBAT TRAINING |
| 47 | CONDUCT TOURS OF FACILITY FOR VISITORS |
| 48 | ANSWER TELEPHONE/TAKE MESSAGES, MEMOS |
| 49 | PICK UP/DELIVER MAIL/PACKAGES |
| 50 | UNPACK EQUIPMENT |

TURN PAGE

LEFT PAGE 07 EQUIPMENT REPAIR TASK BOOKLET

TASK NO. ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 07
OF RESPONSE BOOKLET

1 PERFORM ADMINISTRATIVE ERRANDS, E.G. PICK-UP PAYCHECKS, DELIVER/
RETURN TIME CARDS

GO TO PART IIB

Part II B

LIST OF INSTRUMENTS AND EQUIPMENT REPAIRED

TASK NO. ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 03
OF RESPONSE BOOKLET

- 1 X-RAY CASSETTE CHANGER
- 2 CAMERA, PHOTOFLUOROGRAPHIC
- 3 AUTOMATIC FILM CHANGER, E.G. SANCHEZ-PAREZ
- 4 PNEUMDENCEPHLOGRAM CHAIR
- 5 COOLER, X-RAY FILM PROCESSOR UNIT
- 6 X-RAY, POLAROID UNIT
- 7 PROCESSING MACHINE, X-RAY FILM, AUTOMATIC
- 8 PHOTOGRAPHIC FILM DRYER
- 9 HOLDER SET, DENTAL RADIOGRAPHIC FILM EXPOSURE
- 10 AUTOMATIC INJECTOR, X-RAY CONTRAST MATERIAL
- 11 X-RAY FILM VIEWER, STEREOSCOPE
- 12 X-RAY, FILM IDENTIFICATION PRINTER
- 13 THERMOLUMINESCENT DOSIMETER READER
- 14 COBALT THERAPY MACHINES
- 15 ELECTRO-CONVULSIVE X-RAY EQUIPMENT
- 16 RADIAC METERS
- 17 RADIATION THERAPY EQUIPMENT
- 18 PORTABLE X-RAY UNIT
- 19 STATIONARY X-RAY UNIT
- 20 X-RAY, EQUIPMENT, FIELD
- 21 SCANNER, PAPER DOT RECORDER
- 22 LIGHT, OPERATING, FIELD
- 23 X-RAY TRANSFORMER
- 24 SLIDE/FILM STRIP/STILL PROJECTOR
- 25 HEADLIGHT BATTERY TYPE WITH HEAD BAND

TASK NO. ENTER RESPONSES TO STATEMENTS BELOW IN RIGHT SIDE OF PAGE 08
OF RESPONSE BOOKLET

- | | |
|----|--|
| 26 | SLIT LAMP MICROSCOPE |
| 27 | OPERATING MICROSCOPE, E.G. ZEISS, DIPLOSCOPE |
| 28 | LIGHT, ULTRAVIOLET, PHYSICAL THERAPY |
| 29 | IMAGE INTENSIFIER, FLUOROSCOPIC UNITS |
| 30 | MAGNIFYING LAMP/HAND MAGNIFIER |
| 31 | ULTRAVIOLET LAMP, DERMATOLOGY (DIAGNOSTIC) |
| 32 | SPECTROPHOTOFLUORIMETER |
| 33 | FLUORIMETER |
| 34 | ULTRAVIOLET LAMP, DERMATOLOGY (TREATMENT) |
| 35 | INFRA RED LAMP |
| 36 | ULTRAVIOLET MICROSCOPE |
| 37 | SLIT LAMP FOR EYE TESTING |
| 38 | OPHTHALMOSCOPE |
| 39 | DEFIBRILLATOR COMPLETE WITH SCOPE SYNCHRONIZER |
| 40 | ELECTRONIC CARDIAC MONITOR |
| 41 | CARDIAC SYNCHRONIZER SYSTEM |
| 42 | ELECTROENCEPHALOGRAPH (EEG) APPARATUS |
| 43 | ELECTROMYOGRAPH (EMG) RECORDER |
| 44 | STETHOSCOPE |
| 45 | PACEMAKER EXTERNAL |
| 46 | PACEMAKER INTERNAL |
| 47 | HEART-LUNG MACHINE |
| 48 | TAPE RECORDER, HEARTBEAT - CAMBRIDGE CO |
| 49 | PHONOCARDIOGRAPH WITH COMPONENTS |
| 50 | STRIP CHART RECORDER |

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 09 OF RESPONSE BOOKLET
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- | | |
|----|---|
| 1 | ELECTRONIC KIDNEY MONITOR |
| 2 | CVP MONITOR (MODULE) |
| 3 | ELECTROCARDIOGRAPH (EKG) APPARATUS |
| 4 | ELECTRIC THERMOMETER, E.G. IVAC, K-PROBE |
| 5 | AUDIOMETER, MANUAL |
| 6 | EVACUATOR, ORAL CAVITY |
| 7 | EJECTOR FOR DENTURE FLASK |
| 8 | AMALGAMATOR, ELECTRIC, DENTAL |
| 9 | AMALGAM DISPENSING UNIT |
| 10 | PROCESSOR ACRYLIC PACO |
| 11 | ELECTROPLATER (SILVER, GOLD AND COPPER) |
| 12 | PANDOREX X-RAY UNIT |
| 13 | CASTING MACHINE, CHROME COBALT |
| 14 | CASTING MACHINE, DENTAL METALS, AUTOMATIC |
| 15 | THERMOTROL CASTING MACHINE |
| 16 | UNIT, AIR ABRASIVE, DENTAL LABORATORY |
| 17 | TI-LECTRO POLISHER, (CHROME COBALT) |
| 18 | DENTAL POLISHER AND GRINDER COMPLETE WITH ATTACHMENTS |
| 19 | TRIMMER, DENTAL MODEL |
| 20 | ARTICULATOR |
| 21 | DENTAL CHAIR, FOOT OPERATED |
| 22 | ULTRASONIC PROPHYLAXIS UNIT |
| 23 | BATH, WATER, DENTAL IMPRESSION COMPOUND |
| 24 | LATHE, POLISHING, BALDOOR |
| 25 | DENTAL BENCH PRESS |

GO TO RIGHT HAND PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN RIGHT SIDE OF PAGE 09 OF RESPONSE BOOKLET
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26	DENTAL FIELD ENGINE
27	DENTAL OPERATING UNIT, FIELD
28	BLOWPIPE, ACETYLENE
29	HANDPIECE, DENTAL, AIR TURBINE
30	HANDPIECE, DENTAL, HIGH SPEED
31	HANDPIECE, DENTAL, LOW SPEED
32	HANDPIECE, DENTAL, STRAIGHT
33	HANDPIECE, DENTAL, ANGLE
34	HANDPIECE, DENTAL, PROPHYLAXIS
35	HANDPIECE, DENTAL, BELT DRIVEN
36	SPIROMETER
37	BASAL METABOLISM RATE MACHINE
38	BICYCLE MIXED BREATHING APPARATUS
39	RESPIRATOR, BENNETT
40	RESPIRATOR, EMERSON
41	RESPIRATOR BIRD
42	RESPIRATOR, MONAGHAM PORTABLE
43	OXYGEN REGULATOR/FLOWMETER
44	FLOW METER
45	RESUSCITATOR, FIELD (CHEMICAL WARFARE)
46	SUCTION/VACUUM PUMP
47	GOMCO SUCTION MACHINE
48	ARMSTRONG INCUBATOR
49	INFANT RESPIRATOR
50	ISOLETTE

TURN PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 10 OF RESPONSE BOOKLET
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- | | |
|----|---|
| 1 | INHALATOR-ASPIRATOR (RESUSCITATOR) |
| 2 | AMBU MACHINE |
| 3 | COMPRESSED AIR DEHYDRATOR |
| 4 | PHALEN SUCTION MACHINE |
| 5 | IPPB MACHINE (POSITIVE PRESSURE BREATHING APPARATUS) |
| 6 | ANESTHESIA MACHINE, FLOOR MODEL |
| 7 | ANESTHESIA MACHINE, PORTABLE |
| 8 | VAPORIZER |
| 9 | PORTABLE IRON LUNG |
| 10 | SPHYGMOMANOMETER (BLOOD PRESSURE APPARATUS) |
| 11 | JOBST COMPRESSION UNIT |
| 12 | SUCTION/VACUUM PUMP |
| 13 | WATER BATH WITH THERMOSTAT |
| 14 | FLAME PHOTOMETER |
| 15 | COAGULATION TIMER, PHOTOMETRIC DETECTION OF END POINT |
| 16 | LYOPHILIZER AND ASSOCIATED EQUIPMENT |
| 17 | AUTOCYTOMETER |
| 18 | AUTOMATED CELL COUNTER |
| 19 | AUTOMATED HEMATOLOGY ANALYZER E.G. COULTER S |
| 20 | SEQUENTIAL MULTIPLE ANALYZER 12 CHANNEL |
| 21 | AUTOMATIC SAMPLE CHANGER |
| 22 | IL BLOOD GAS ANALYZER |
| 23 | CORNING BLOOD GAS ANALYZER |
| 24 | APPARATUS FOR BLOOD PH DETERMINATION |
| 25 | O2 PERCENT ANALYZER |

GO TO RIGHT HAND PAGE

TASK NO. ENTER RESPONSES TO STATEMENTS BELOW IN RIGHT SIDE OF PAGE 10
OF RESPONSE BOOKLET

- 26 GAS CHROMATOGRAPH
- 27 SPECTROPHOTOMETER, AUTO-RECORDING, E.G. DK-2
- 28 AUTO-ANALYZER, SINGLE OR DUAL CHANNEL
- 29 AUTOMATIC PIPETTING MACHINE
- 30 AUTOMATIC TISSUE PROCESSOR
- 31 CENTRIFUGE, REFRIGERATED
- 32 BLOOD REFRIGERATOR
- 33 FREEZER, PLASMA STORAGE
- 34 BLOOD PUMP
- 35 TRAVENAL ARTIFICIAL KIDNEY
- 36 HEMODIALYZER
- 37 PUMP, ALSOP FILTER
- 38 DISTILLING APPARATUS, WATER
- 39 LABORATORY BENCH, MOBILE, HOT/COLD WATER SYSTEM
- 40 BATH WHIRLPOOL LEG
- 41 HYDROTHERAPY TANKS
- 42 WATER BATH WITH THERMOSTAT
- 43 BOTTLE WASHER
- 44 PARAFFIN BATH
- 45 GASTRIC COOLING MACHINE
- 46 AUTOCLAVE, DRY HEAT
- 47 AUTOCLAVE, GAS
- 48 AUTOCLAVE, STEAM
- 49 FIELD STERILIZER
- 50 BED PAN STERILIZER

TURN PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 11 OF RESPONSE BOOKLET
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- | | |
|----|--|
| 1 | STEAM GENERATOR |
| 2 | INSTRUMENT WASHER-STERILIZER |
| 3 | OVEN DRY HEAT |
| 4 | INCUBATORS LABORATORY |
| 5 | CABINET ELECTRIC SWEAT BATH |
| 6 | DRYING OVEN |
| 7 | DIATHERMY APPARATUS, MICROWAVE |
| 8 | DIATHERMY EQUIPMENT, OPHTHALMIC, E.G. MIRA |
| 9 | HYPO-HYPER-THERMIA MACHINE |
| 10 | VIBRATOR, DENTAL MOLDING |
| 11 | MECHANICAL MIXER, PHARMACEUTICAL |
| 12 | TUBE AGITATOR/MIXER/SHAKER |
| 13 | TISSUE GRINDER |
| 14 | CENTRIFUGE, LABORATORY (FLOOR MODEL) |
| 15 | ULTRASONIC CLEANER |
| 16 | DOSE CALIBRATOR |
| 17 | MULTIPLE INJECTION JET IMMUNIZATION GUN |
| 18 | AUTOMATIC PRE-PACKING MACHINE (TABLETS, CAPSULES) |
| 19 | AUTOMATIC LIQUID PRE-PACKER |
| 20 | AUTOMATIC I.V. INJECTOR, E.G. HARVARD |
| 21 | MICRO HEMATOCRIT CENTRIFUGE AND READER |
| 22 | ULTRASONIC NEBULIZER |
| 23 | TRACTION MACHINE, INTERMITTENT |
| 24 | ELECTRO CONVULSIVE THERAPY MACHINE |
| 25 | ELECTROMYOGRAPHIC MUSCLE TRAINER WITH MICROTHERM - MICROWAVE |

GO TO RIGHT HAND PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN RIGHT SIDE OF PAGE 11 OF RESPONSE BOOKLET
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26	STIMULATOR, MUSCLE
27	PROGRESSIVE WAVE GENERATOR
28	STIMULATOR, CHRONAXIE CONSTANT CURRENT
29	MEDCOLATOR
30	ULTRASONIC THERAPY UNIT
31	POCKET STIMULATOR
32	CAUTERY APPARATUS
33	PROBES, SURGICAL, ELECTRIC
34	METAL LOCATOR
35	CHAIR, SURGEON, RECLINING
36	MEDICAL UNIT, RITTER MODEL
37	DRILL, MICRO SHEA
38	CAST CUTTERS
39	STRYKER BONE SAW WITH ATTACHMENTS
40	FETASCOPE
41	CRYO GLAUCOMA UNIT
42	PHOTIC STIMULATOR UNIT
43	GOODART CONSTANT LOAD/VARIABLE SPEED ERGOMETER
44	HEARING AID KITS
45	ALTERNATING PRESSURE PAD AND MATTRESS
46	DRILL, AIR STRYKER
47	CASTING MACHINE BROKEN ARM, KERR
48	SAW, PLASTER CAST
49	MOVIE PROJECTOR/ACCESSORIES
50	MOULAGE SET

TURN PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 12 OF RESPONSE BOOKLET
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- | | |
|----|----------------------------------|
| 1 | WHEEL CHAIR |
| 2 | GURNEY CARTS |
| 3 | STRETCHER, PORTABLE (AMBULANCE) |
| 4 | ORTHOPEDIC TABLES/ACCESSORIES |
| 5 | STRYKER FRAME |
| 6 | CIRCOELECTRIC BED |
| 7 | ADDRESSOGRAPH MACHINE, MANUAL |
| 8 | ADDRESSOGRAPH MACHINE, AUTOMATIC |
| 9 | BED LAMP |
| 10 | TYPEWRITER |
| 11 | I.V. POLE |
| 12 | CROUPETTE |
| 13 | MACHINE, FLOOR POLISHING |
| 14 | EXERCISE UNIT STEEL FRAME, ELGIN |
| 15 | WASHING MACHINE (CLOTHES) |
| 16 | ELECTRIC DRYER (CLOTHES) |
| 17 | VACUUM CLEANER |
| 18 | AUTOMATIC COFFEE MAKER |
| 19 | ELECTRIC FAN |
| 20 | TV SET, PORTABLE |
| 21 | FIELD TELEPHONE SYSTEM |
| 22 | DOOR SECURITY ALARM SYSTEM |
| 23 | STENCIL CUTTING MACHINE |
| 24 | STRAPPING MACHINE |
| 25 | TAPE MACHINE FOR PACKAGING |

GO TO RIGHT HAND PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN RIGHT SIDE OF PAGE 12 OF RESPONSE BOOKLET
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- | | |
|----|-----------------------------|
| 26 | ADDING MACHINE |
| 27 | DUPLICATOR, E.G. MIMEOGRAPH |
| 28 | SUCTION/VACUUM PUMP |
| 29 | AUTOClave, STEAM |
| 30 | WHEEL CHAIR |

GO TO PART IIC

Part II C

LIST OF INSTRUMENTS AND EQUIPMENT USED

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 13 OF RESPONSE BOOKLET
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- | | |
|----|--|
| 1 | OSCILLOSCOPE |
| 2 | CONTINUITY TEST METER (OHMMETER) |
| 3 | AMMETER |
| 4 | ELECTRONIC TUBE CHECKER |
| 5 | SIGNAL GENERATOR |
| 6 | ELECTRONIC SWITCH |
| 7 | RESISTANCE DECADE BOX |
| 8 | CAPACITANCE DECADE BOX |
| 9 | ELECTRICIAN'S TOOL BOX |
| 10 | VOLTMETER |
| 11 | MEG OHMMETER |
| 12 | POWERED SHARPENERS, GRINDERS AND SANDERS |
| 13 | DRILL PRESS |
| 14 | DIE SET, METAL STAMPING |
| 15 | TAP AND DIE SET |
| 16 | MACHINIST HAND TOOLS |
| 17 | MICROMETER |
| 18 | DRILL, ELECTRIC |
| 19 | CUTTING DIES |
| 20 | CHISEL, NON-SURGICAL |
| 21 | WIRE BRUSH WHEEL |
| 22 | BUFFING WHEEL |
| 23 | WALKER, CRESCENT, ADJUSTABLE WRENCH |
| 24 | JEWELERS LATHE COMPLETE WITH ACCESSORIES |
| 25 | LATHE/MILLING MACHINE |

GO TO RIGHT HAND PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN RIGHT SIDE OF PAGE 13 OF RESPONSE BOOKLET
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- | | |
|----|---|
| 26 | REAMERS NON-DENTAL |
| 27 | ROTARY AND STRAIGHT PUNCH |
| 28 | SURGICAL INSTRUMENT SHARPENER, ELECTRIC |
| 29 | ARBOR AND BAND SET, DENTAL HANDPIECE |
| 30 | STONE, ARTIFICIAL, DENTAL |
| 31 | MIRROR, MOUTH, EXAMINING |
| 32 | EXPLORER, DENTAL |
| 33 | BLOCK, FIELD MEDICAL, DENTAL, INSTRUMENT/SUPPLIES |
| 34 | MALLET, ORAL SURGERY |
| 35 | BOWL, PLASTER OF PARIS, MIXING |
| 36 | ACRYLIC RESIN, DENTURE |
| 37 | KNIFE, COMPOUND |
| 38 | PLIERS, DENTAL, ALL TYPES |
| 39 | BRUSH, SCRATCH, DENTAL |
| 40 | BRUSH, FIBER, ROTARY WHEEL |
| 41 | HEAT GUN |
| 42 | SOLDERING EQUIPMENT |
| 43 | DOLLY WAREHOUSE |
| 44 | CYLINDER ACETYLENE |
| 45 | CIRCULAR SAW |
| 46 | BELT SANDER |
| 47 | AIR COMPRESSOR |
| 48 | STONE, INSTRUMENT SHARPENING |
| 49 | MERCURY |
| 50 | GLOVES, ASBESTOS |

TURN PAGE

TASK NO.	ENTER RESPONSES TO STATEMENTS BELOW IN LEFT SIDE OF PAGE 14 OF RESPONSE BOOKLET
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- | | |
|----|-----------------------------------|
| 1 | TOOLS, WOODWORKING/CARPENTER |
| 2 | WISE, BENCH |
| 3 | FABRIC/LEATHER WORKERS HAND TOOLS |
| 4 | HAMMER BALL PEEN, JEWELLERS |
| 5 | JOINTER/PLANER/ROUTER |
| 6 | KNIFE, POCKET |
| 7 | BLOWTORCH, ALCOHOL |
| 8 | CUTTING KNIVES |
| 9 | COMPRESSED AIR CYCLINDER/TANK |
| 10 | BAND SAW |
| 11 | ALLEN WRENCHES |
| 12 | VIBRO-TOOL/HAMMER DRILL |
| 13 | FILM SPLICER |
| 14 | VARIAC |
| 15 | PROPANE TORCH, HAND |
| 16 | JIG SAW |
| 17 | OXY-ACETYLENE WELDING EQUIPMENT |
| 18 | RIPPING AND CROSS CUT SAWS |
| 19 | SPRAY PAINTING EQUIPMENT |
| 20 | DRAFTING BOARD AND ACCESSORIES |

END

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